



# *POWERHEART M* *UPS CATALOGUE*



# PowerHeart M

## 60~720kVAModularUPS (480V)



### Power range

60~720 kVA

### Operation

3P/3P, onlinedouble conversion

### Designed to **CARE**

Medium Data Center and Large Colo & cloud Data Center.

### Characteristics

- Fully digital control, flexible and robust.
- 7 & 10 inch touch LCD, with IoT functions.
- High reliability and environment adaptability, with protection of components level.
- Intelligent system self-diagnosis, rich fault recording, large capacity of history record storage space.
- Maximum system capacity up to 1.8MVA, the best solution for mega data center.



Model		PHMM240/60-HV	PHMM360/60-HV	PHMM500/62.5-HV	PHMM600/60-HV	PHMM720/60-HV
Rate Power		240kVA/240kW	360kVA/360kW	500kVA/500kW	600kVA/600kW	720kVA/720kW
Main input	Input	3P5W (3P+N+PE)				
	Rate Voltage	480VAC(L-L)				
	Rate Freq.	50/60Hz				
	Input PF	>0.99				
	Current	THDi<3%(100% Linear load)				
	Voltage range	384 528VAC(L-L)full load 288 384VAC (L-L) power derate from 100% to 50%				
	Freq. range	40-70Hz				
Battery	Rate voltage	±240VDC(default 40 PCS,30-50 PCS, selceted)				
	Charging	20%*Pout				
	Charging	±1%				
Bypass	Rate voltage	480VAC(L-L)				
	Voltage range	Range: -40%- +25% , Settable, default -20% +15%				
	Overload	<110%, long time operation 110%< load<125%, 10 mins 125%<load<150%,1 min				
Inverter	Rate voltage	480VAC(L-L)				
	Rate Freq.	50/60Hz				
	Output PF	1				
	Voltage	±1.0%				
	Load response	<5% (20% - 80% -20% step load)				
	Recovery time	< 20ms (0% - 100% -0% step load)				
	Output THDu	<1%(linear load),<5% (non-linear load according to IEC 62040-3)				
	Overload	110%,1 hour 125%,10 mins 150%,1 min >150%,200ms				
	Frequency	0.1%				
	Synchronize	Settable ±0.5Hz-±5Hz default ±3Hz				
	Slew rate	Settable 0.5Hz/S-3Hz/S default 0.5Hz/S				
	Crest factor	3:1				
	Phase Accuracy	120°±0.5°				
System	Efficiency	Normal Mode up to 96%; Battery Mode up to 96%				
	Display	LED + 7 inch	LED + 10 inch touch LCD			
	Certification-	IEC62040-1, IEC60950-1				
	Certification-	IEC62040-2	IEC61000-4-2(ESD)	IEC61000-4-3(RS)	IEC61000-4-4 (EFT)	IEC61000-4-5 (Surge)
	IP degree	IP20				
	Configuration	USB, RS232, RS485, Dry contact, Cold start, Air filter				
	Option	SNMP card AS400 card Parallel kit SPD LBS				
	Environment	0-40 (operation) -25 ~70 (storage) 0-95% (Humidity, non-condensing )				
	Noise(dB)(l	72dB @ 100% load, 69dB @ 45% load				
Dimension	Cabinet(W*D*H)	600*1000*1600	600*1000*2000	1200*1000*2000	1200*1100*2000	
	Module(W*D*H)	442*659*174				
Weight(kg) )	Cabinet	185	248	250	578	
	Module	41				
Power Module rated		60KW		62.5KW	60KW	